



1600

## RAW SEQUENCE LISTING

DATE: 10/01/2002

PATENT APPLICATION: US/09/700,769

TIME: 11:11:13

Input Set : A:\DEX-109.ST25.txt

Output Set: N:\CRF4\10012002\I700769.raw

3 <110> APPLICANT: Macina, Roberto  
 4 Yang, Fei  
 5 Sun, Yongming  
 7 <120> TITLE OF INVENTION: A Novel Method of Diagnosing, Monitoring and Staging Colon  
 Cancer  
 9 <130> FILE REFERENCE: DEX-0109  
 11 <140> CURRENT APPLICATION NUMBER: US 09/700,769  
 12 <141> CURRENT FILING DATE: 2001-01-04  
 14 <150> PRIOR APPLICATION NUMBER: PCT/US99/10498  
 15 <151> PRIOR FILING DATE: 1999-05-12  
 17 <150> PRIOR APPLICATION NUMBER: US 60/086,266  
 18 <151> PRIOR FILING DATE: 1998-05-21  
 20 <160> NUMBER OF SEQ ID NOS: 10  
 22 <170> SOFTWARE: PatentIn version 3.1

**Does Not Comply  
 Corrected Diskette Needed**

## ERRORED SEQUENCES

559 <210> SEQ ID NO: 10  
 560 <211> LENGTH: 510  
 561 <212> TYPE: PRT  
 562 <213> ORGANISM: Homo sapiens  
 564 <400> SEQUENCE: 10  
 566 Met Arg Pro Gly Leu Ser Phe Leu Leu Ala Leu Leu Phe Phe Leu Gly  
 567 1 5 10 15  
 570 Gln Ala Ala Gly Asp Leu Gly Asp Val Gly Pro Pro Ile Pro Ser Pro  
 571 20 25 30  
 574 Gly Phe Ser Pro Phe Pro Gly Val Asp Ser Ser Ser Ser Phe Ser Ser  
 575 35 40 45  
 578 Ser Ser Arg Ser Gly Ser Ser Ser Ser Arg Ser Leu Gly Ser Gly Gly  
 579 50 55 60  
 582 Ser Val Ser Gln Leu Phe Ser Asn Phe Thr Gly Ser Val Asp Asp Arg  
 583 65 70 75 80  
 586 Gly Thr Cys Gln Cys Ser Val Ser Leu Pro Asp Thr Thr Phe Pro Val  
 587 85 90 95  
 590 Asp Arg Val Glu Arg Leu Glu Phe Thr Ala His Val Leu Ser Gln Lys  
 591 100 105 110  
 594 Phe Glu Lys Glu Leu Ser Lys Val Arg Glu Tyr Val Gln Leu Ile Ser  
 595 115 120 125  
 598 Val Tyr Glu Lys Lys Leu Leu Asn Leu Thr Val Arg Ile Asp Ile Met  
 599 130 135 140  
 602 Glu Lys Asp Thr Ile Ser Tyr Thr Glu Leu Asp Phe Glu Leu Ile Lys  
 603 145 150 155 160  
 606 Val Glu Val Lys Glu Met Glu Lys Leu Val Ile Gln Leu Lys Glu Ser

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607				165				170				175				
610	Phe	Gly	Gly	Ser	Ser	Glu	Ile	Val	Asp	Gln	Leu	Glu	Val	Glu	Ile	Arg
611				180					185				190			
614	Asn	Met	Thr	Leu	Leu	Val	Glu	Lys	Leu	Glu	Thr	Leu	Asp	Lys	Asn	Asn
615				195				200					205			
618	Val	Leu	Ala	Ile	Arg	Arg	Glu	Ile	Val	Ala	Leu	Lys	Thr	Lys	Leu	Lys
619		210					215					220				
622	Glu	Cys	Glu	Ala	Ser	Lys	Asp	Gln	Asn	Thr	Pro	Val	Val	His	Pro	Pro
623	225					230					235				240	
626	Pro	Thr	Pro	Gly	Ser	Cys	Gly	His	Gly	Gly	Val	Val	Asn	Ile	Ser	Lys
627				245					250					255		
630	Pro	Ser	Val	Val	Gln	Leu	Asn	Trp	Arg	Gly	Phe	Ser	Tyr	Leu	Tyr	Gly
631				260					265					270		
634	Ala	Trp	Gly	Arg	Asp	Tyr	Ser	Pro	Gln	His	Pro	Asn	Lys	Gly	Leu	Tyr
635			275					280					285			
638	Trp	Val	Ala	Pro	Leu	Asn	Thr	Asp	Gly	Arg	Leu	Leu	Glu	Tyr	Tyr	Arg
639		290					295					300				
642	Leu	Tyr	Asn	Thr	Leu	Asp	Asp	Leu	Leu	Leu	Tyr	Ile	Asn	Ala	Arg	Glu
643	305					310					315				320	
646	Leu	Arg	Ile	Thr	Tyr	Gly	Gln	Gly	Ser	Gly	Thr	Ala	Val	Tyr	Asn	Asn
647				325					330					335		
650	Asn	Met	Tyr	Val	Asn	Met	Tyr	Asn	Thr	Gly	Asn	Ile	Ala	Arg	Val	Asn
651				340					345					350		
654	Leu	Thr	Thr	Asn	Thr	Ile	Ala	Val	Thr	Gln	Thr	Leu	Pro	Asn	Ala	Ala
655			355					360					365			
658	Tyr	Asn	Asn	Arg	Phe	Ser	Tyr	Ala	Asn	Val	Ala	Trp	Gln	Asp	Ile	Asp
659		370					375					380				
662	Phe	Ala	Val	Asp	Glu	Asn	Gly	Leu	Trp	Val	Ile	Tyr	Ser	Thr	Glu	Ala
663	385					390					395				400	
666	Ser	Thr	Gly	Asn	Met	Val	Ile	Ser	Lys	Leu	Asn	Asp	Thr	Thr	Leu	Gln
667				405					410					415		
670	Val	Leu	Asn	Thr	Trp	Tyr	Thr	Lys	Gln	Tyr	Lys	Pro	Ser	Ala	Ser	Asn
671				420					425					430		
674	Ala	Phe	Met	Val	Cys	Gly	Val	Leu	Tyr	Ala	Thr	Arg	Thr	Met	Asn	Thr
675			435					440					445			
678	Arg	Thr	Glu	Glu	Ile	Phe	Tyr	Tyr	Tyr	Asp	Thr	Asn	Thr	Gly	Lys	Glu
679		450					455					460				
682	Gly	Lys	Leu	Asp	Ile	Val	Met	His	Lys	Met	Gln	Glu	Lys	Val	Gln	Ser
683	465				470						475				480	
686	Ile	Asn	Tyr	Asn	Pro	Phe	Asp	Gln	Lys	Leu	Tyr	Val	Tyr	Asn	Asp	Gly
687				485					490					495		
690	Tyr	Leu	Leu	Asn	Tyr	Asp	Leu	Ser	Val	Leu	Gln	Lys	Pro	Gln		
691				500					505					510		

E--&gt; 697 12

## VERIFICATION SUMMARY

DATE: 10/01/2002

PATENT APPLICATION: US/09/700,769

TIME: 11:11:14

Input Set : A:\DEX-109.ST25.txt

Output Set: N:\CRF4\10012002\I700769.raw

L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:660  
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:720  
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:360  
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1020  
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:660  
L:697 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:10